



The City of Raleigh

## Stormwater Management Advisory Commission

September 7, 2017  
3:00 pm

Conference Room 305  
Raleigh Municipal Building

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**Commission Members Present:** Francine Durso, Ken Carper, Vanessa Fleischmann, Matthew Starr, David Webb, Evan Kane, Chris Bostic, and Kevin Yates

**Commission Members Absent:** Mark Senior

**Staff Members Present:** Blair Hinkle, Kelly Daniel, Allison McGarity, Suzette Mitchell, Lory Willard, Scott Bryant, Veronica High, Carmela Teichman, Dale Hyatt, Brad Stuart, Lauren Witherspoon, Ben Brown, and Sheila Thomas-Ambat

**Guests:** Leah Young, Chris Stanley, Amy Wazenegger, Tony Grubbs, Megan Graper, Amtt Sachan, Jamie Powless, and Luke Wallenbeck

**Meeting called to order:** at 3:02 pm by Matthew Starr (*chair*)

1. **Welcome, Introductions, Excused Absences**

- **Mr. Webb** made a motion to excuse **Mark Senior** from today's meeting and **Ms. Fleischmann** seconded. The motion was approved unanimously.

2. **Approval of the Minutes – August 3, 2017 Meeting**

- **Mr. Webb** made a motion to approve and **Ms. Fleischmann** seconded. The motion was approved unanimously.

3. **Stormwater Staff Report** (Blair Hinkle)

- Hurricane Irma – With the current track, Raleigh could potentially receive 4-6 inches of rainfall. Stormwater is coordinating with the Public Utilities Department and Parks, Recreation, and Cultural Resources Department in lowering City lakes. Staff engineers and inspectors will be placed on rotating shifts if it becomes a significant rain event.
- Green Infrastructure and Low Impact Development (GI/LID) – On September 5, Raleigh City Council held a public hearing regarding text changes related to the City's green stormwater infrastructure initiative. Following the hearing Raleigh City Council adopted the text changes.
- Comprehensive Plan Update – This is a follow up from last month's presentation. Please email Blair with any feedback so it can be forward to the Planning Department.

4. **Stormwater Control Measures and Dams Programs**

**Scott Bryant** informed the Commission that these are new FY18 programs within the Stormwater Asset Management program. The program will centralize management for the operation, maintenance, and inspection of City-owned/operated Stormwater Control Measures (SCMs) and dams. **Brad Stuart** provided a presentation of these programs.

### **Presentation Overview**

- Goals - The purpose of these programs is to centralize the operation, maintenance, and inspection of City SCMs and dams.
- Stormwater Asset Management - Responsible for SCMs, Stormwater Asset Inventory Mapping, Geographic Information System (GIS), and dams programs.
- Stormwater Control Measures - The City currently maintains 75+ devices that are currently managed and maintained by various departments (Fire, Parks & Rec, Engineering Services, Transportation, Solid Waste Services, and Housing & Neighborhoods).
- Dams - Stormwater is currently involved with 24 SCMs that are owned and maintained by other departments/municipalities (Public Utilities, Parks & Rec, Private Property Owners and Wake County).
- SCM and Dam Programs - Stormwater will prepare a Service Level Agreement (SLA) for each owning Department that clearly defines the facilities and services covered by the Program. Stormwater operational funding will cover the costs associated with the inspection, routine maintenance, and some minor repairs.
- Funding - Each program has an operational account that is currently funded at \$150,000 annually. Capital funding will be established for each program covering major lifecycle maintenance. Owning departments will be responsible for funding major capital expenditures for their facilities.
- Benefits of implementing centralized programs for management of City SCMs and dams.
- Next Steps - Setup individual Department meetings to review and finalize the SLAs, Memorandums of Understanding (MOUs) with internal service partners, and Prepare RFPs for SCM and Dam services.

**Ms. Durso** wanted to know if funding for each program was coming out of new money. **Brad Stuart** responded that it would be out of this year's budget.

**Mr. Bostic** asked staff to define each program. **Scott Bryant** said SCMs is one program (\$150,000) and Dams is the other (\$150,000), totally \$300,000. This will be adjusted after learning about each need and service.

**Blair Hinkle** commented the reason we are doing this is to centralize the SCMs. The dams were discussed prior to Hurricane Matthew, but after that storm it highlighted the need for Stormwater to become the owners and the subject matter experts of the publically owned dams in the city.

**Ms. Durso** asked if the \$150,000 per program is for Stormwater usage or will it go to Parks and Rec under the MOU. **Blair Hinkle** said both, we took maintenance cost from the private side and combined past experiences for maintaining public infrastructure and came up with a number to start with. If it's too much it's good, if it's not enough we can shift around funds in the operational budget to cover the cost.

**Mr. Kane** asked is the Stormwater Management Program involved in the design and scope of new SCMs, or for instance if Parks is expanding a new parking lot, will Stormwater be involved in that, or will they design and hand over to you. **Blair Hinkle** said we try at every potential stage to coordinate with Parks & Rec so they will have our opinion on projects and funding. There are some SCMs through Parks that have not received the level of maintenance that they should have, and as part of the program those will be brought back up to operational condition.

**Mr. Starr** said since the owning departments would be responsible for major repairs, will it be case by case or will you work out some generality on what constitutes a major repair. **Brad Stuart** said you will have services that will be operational and paid out of an operational account, and construction services will be paid from a capital account, so we will have funds available. **Blair Hinkle** commented that we have established capital funds this year and have provided seed money for them. If something goes

wrong there is a funding source. Now, moving forward anytime a new city facility is constructed some portion of the construction budget is paid into the capital fund.

**Ms. Durso** questioned what would be done about prioritizing existing SCMs. **Brad Stuart** replied that we are hoping that operational funding will cover those and any required regulatory device will get priority first.

**Mr. Carper** remarked that it's great that the City is putting the authority and responsibility where it should be, with people that know how to maintain them.

**5. Stormwater Quality Cost Share Program (Two Projects)**

**Lory Willard** informed the Commission of two projects up for review:

**1. 8621 Wheeling Drive:** The project includes installing a 1,787-gallon underground cistern to collect rooftop runoff from 1,200 square feet of impervious surface. The project is within the Perry Creek watershed. The petitioner is eligible for a 90 percent City/10 percent Petitioner cost share and has agreed to annual reporting and a 10-year maintenance term.

8621 Wheeling Drive	
Total Project Cost	\$12,876
Stormwater/City Contribution (90%)	\$11,589
Petitioner Contribution (10%)	\$1,287

**Mr. Kane** wanted to know if the petitioner would drain the cistern between storms. **Lory Willard** said she believes so and she's spoken with them at length about sizing it for rooftop runoff.

**Mr. Starr** asked if drawdown is included in the maintenance agreement. **Lory Willard** replied no. **Mr. Starr** asked if we could revisit this at a future meeting in adding it to the maintenance agreement. **Blair Hinkle** said it might be more than the design requirement. **Mr. Starr** said as long as it's noted. **Blair Hinkle** commented that staff could do a report and add this as a future discussion.

**2. 501 Martin Luther King Jr. Boulevard - Chavis Park:** The project includes installing a 2,400 square foot Silva Cell with six trees at Chavis Park, which will collect runoff from 19,200 square feet of impervious roof surface. The project is within the Walnut Creek watershed. The petitioner is eligible for a 75 percent City/25 percent Petitioner cost share and has agreed to annual reporting and a 10-year maintenance agreement and land-use deed restriction or easement.

501 Martin Luther King Jr Boulevard (Chavis Park)	
Total Project Cost	\$133,930
Stormwater/City Contribution (75%)	\$100,448
Petitioner Contribution (25%)	\$33,482

**Luke Wallenbeck** (*Parks & Rec*) stated from a partnership standpoint we have several projects that we have worked on together. He stated even in the masterplan a lot of their properties are in subprime property that are in floodplains. For instance, for Brentwood we have a masterplan now and we have come to Stormwater and asked if they have any projects along the stream and what are their thoughts on improving it. We are glad that Stormwater has the expertise and funding to help us get a little further.

**Ms. Durso** wanted to know since it's a City facility shouldn't the maintenance be more than 10 years. **Blair Hinkle** said we will impose the 10-year maintenance restriction and since it's over \$30,000 there will need to be a deed restriction on the property.

**Mr. Yates** asked if there is a permanent drainage easement on that. **Blair Hinkle** said you don't see public drainage easements on City property. **Veronica High** added we couldn't deed an easement to ourselves.

**Motion:**

**Mr. Yates** made a motion to approve the two cost share projects and **Mr. Webb** seconded. The motion was approved unanimously.

**6. Annual Report and Work Plan**

**Blair Hinkle** reminded the Commission that each year they review the annual report and approve the annual work plan. The annual report for this last fiscal year summarizes the work of the Stormwater Management Division and Stormwater Management Advisory Commission. The work plan serves as Raleigh City Council authorization to the Commission for your work in FY18. The presentation focuses on the areas of Capital Improvement Program, Drainage Assistance Program, Stormwater Quality Cost Share Program, Flood Hazard Mitigation Program, programs and policies updates, and green stormwater infrastructure. Blair requested edits be provided before September 15. The 2017/2018 Work Plan focuses on sustainable development and water quality, drainage system policies, regulatory programs, stormwater utility education program, and work requiring review for recommendation to Raleigh City Council. Last year, the Commission expanded some of the items to allow flexibility for items you wanted to take up. If the Commission is satisfied with the Work Plan we will need approval to take it to Council for formal approval.

**Ms. Durso** commented it's broad enough to cover the things that the Commission needs to look at.

**Motion:**

**Ms. Durso** made a motion to approve the 2017/2018 Work Plan and **Mr. Bostic** seconded. The motion was approved unanimously.

**Adjournment:** **Mr. Kane** made a motion to adjourn and **Mr. Carper** seconded. The motion was unanimous. The meeting adjourned at 4:10 pm.

Suzette Mitchell